

VCSEL PACKAGE AND FABRICATION METHOD

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5 ABSTRACT

10 A VCSEL package includes a substrate and a VCSEL  
device coupled to the substrate. The VCSEL device  
includes a first VCSEL and a calibration VCSEL. A sensor  
is coupled to the substrate such that a sensor area of the  
15 sensor is aligned with the calibration VCSEL. The sensor  
measures light from the calibration VCSEL to determine the  
power output of light emitted from the first VCSEL. The  
measured light is subsequently used to adjust the  
electrical power input to the VCSEL device to maintain the  
power output of the light emitted from the first VCSEL at  
a fixed or constant value.